

1 1. (Allowed) A drum system comprising, in combination:

2 a drum shell of generally cylindrical configuration;

3 a drum head of generally flat circular configuration and being

4 adapted to rest upon the upper extremity of the shell;

5 a ring shaped rim fitted over the outer circumference of the

6 head, the cooperating surfaces of the shell and head being such

7 that depressing the rim downwardly tends to increase lateral

8 tension in the head;

9 a tensioning rod having an upper end rotatably supported from

10 a point on the circumference of the rim, and a threaded lower end;

11 a lug assembly secured on the outer surface of the shell

12 adjacent the lower end of the tensioning road and rotatable about

13 a horizontal axis that extends radially relative to the shell;

14 the lug assembly having a lug body with an upwardly directed

15 opening adapted to receive the lower end of the tensioning rod;

16 the lug body also having a transverse opening that intersects

17 the top opening in a mutually perpendicular relationship;

18 a cross-pin disposed within the transverse opening and movable

19 both rotatably and longitudinally relative thereto;

20 the cross-pin having a threaded transverse opening engageable

21 by the threaded lower end of the tensioning; and

22 the top opening in the lug body being of greater dimension

23 than the threaded lower end of the tensioning rod in directions

24 both perpendicular to and parallel to the adjacent surface of the

 shell.

1 2. (Allowed) A drum head securement device comprising:

2 a tensioning rod adapted to extend downwardly through a hole
3 in a drum head rim, having a flange on its upper end to maintain
4 its vertical position relative to the rim, its upper end above the
5 flange being also wrench engageable for rotation relative to the
6 rim, and the rod also being threaded on its lower end;

7 a lug body having a flat surface adapted to engage the outer
8 surface of a drum shell, and a spud projecting from its flat
9 surface for insertion into and through an opening in the shell;

10 a fastening screw for securing the spud inside the shell, the
11 lug thereby being rotatably adjustable about the longitudinal axis
12 of the spud;

13 the lug body having a transverse side opening and an upwardly
14 directed top opening that intersect and are mutually perpendicular;

15 a cross-pin disposed within the side opening of the lug body
16 and movable both rotatably and longitudinally relative thereto;

17 the cross-pin having a threaded transverse opening engageable
18 by the threaded lower end of the tensioning rod so that the
19 tensioning rod may be driven in rotation to tighten it and hence
20 depress an associated radial edge of the head; and

21 the top opening in the lug body being of greater dimension
22 than the lower end of the tensioning rod in directions both
23 perpendicular to and parallel to the adjacent surface of the shell,
24 whereby the lower end of the tension rod may either twist in a
25 vertical plane perpendicular to the adjacent surface of the drum
26 shell, or may move laterally in a plane parallel to the drum shell
 surface.

3. Claim 3 [Cancelled]

4. [Newly presented] In a drum assembly having a drum shell of generally cylindrical configuration, a drum head, a rim on the head, and a tensioning rod with an upper end supported on the rim and a threaded lower end which extends downwardly, a lug assembly comprising:

a lug body secured on the outer surface of the shell and rotatable about a horizontal axis that extends radially relative to the shell, the lug body having a top opening for receiving the lower end of the tensioning rod, the lug body also having a transverse opening that intersects the top opening in a mutually perpendicular relationship; and

a cross pin disposed within the transverse opening in the lug body and movable both rotatably and longitudinally therein, the cross pin having a threaded opening engageable by the lower end of the tensioning rod.

5. [Newly presented] A lug assembly as in Claim 4 wherein the top opening in the lug body is of larger diameter than the lower end of the tensioning rod.